

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/072980 A2

(51) International Patent Classification⁷: **B42C**

(21) International Application Number:
PCT/GB2005/000313

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0401863.6 28 January 2004 (28.01.2004) GB
0417567.5 6 August 2004 (06.08.2004) GB

(71) Applicant (for all designated States except US): **IBIS
INTEGRATED BINDERY SYSTEMS LIMITED**
[GB/GB]; 7 York Way Lancaster Road, Cressex Business
Park, High Wycombe, Buckinghamshire HP12 3PY (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CRACKNELL,
John** [GB/GB]; 1 The Hyde Ray, Mill Road West,
Maidenhead, Berkshire SL6 8SD (GB). **FIRTH, Mark**
[GB/GB]; Rose Cottage, 8 Bois Lane, Chesham Bois,

Buckinghamshire HP6 6BH (GB). **O'BRIEN, John**
[GB/GB]; Two Ways, Beacons Bottom, Stokenchurch,
High Wycombe, Buckinghamshire HP14 3XF (GB).
TREW, Alan [GB/GB]. **BREWSTER, Martin** [GB/GB];
12 Rennie Close, High Wycombe, Buckinghamshire HP13
5TB (GB).

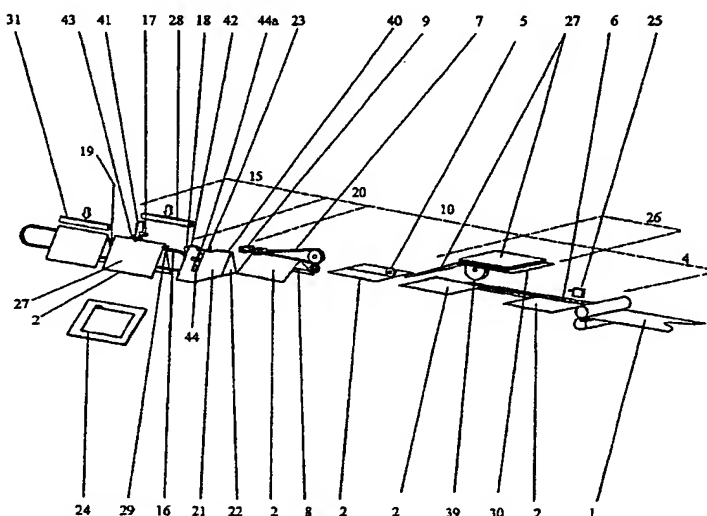
(74) Agents: **WILLIAMS, Ceili et al.**; Stevens Hewlett &
Perkins, Halton House, 20/23 Holborn, London EC1N 2JD
(GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: PROCESS FOR BINDING SHEETS



(57) Abstract: Binding apparatus and a related process are particularly suited for binding digitally-printed sheets into booklets. The apparatus is adapted to fold individual sheets (2) and then to apply adhesive to the fold line before gathering the sheets in a collator (15) ready for binding. The collator (15) includes either a rotatable or retractable finger (17, 160) that is moveable to temporarily inhibit registration of a first sheet of a new stack on a stacking area, as a previous stack is transported away.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.